

Appendix E

ABSTRACT

*Entry Approved
11/19/06*

A linkage mechanism for a pick and place robot includes two rotatable drive members mounted on a base and connected to a platform by a respective two element linkage. The mid point of the two element linkage has a bell crank, the arms of which are connected to first and second location links anchored respectively at the base and platform. The platform may be configured to carry various implements, and the mechanism permits movement thereof in two dimensions by selective motion of the drive members.